JOURNAL OF ELECTROANALYTICAL CHEMISTRY AND INTERFACIAL ELECTROCHEMISTRY, VOLUME 228 (1987)

AUTHOR INDEX

Al-Jaaf Golze, K. 283
Angerstein-Kozlowska, H. 429
Aspnes, D.E. 167

Bitterling, K. 29
Bouilov, L.L. 19
Breiter, M.W. 417
Brodsky, A.M. 179
Brudel, M. 89

Cesar, C.L. 481
Consonni, V. 393
Conway, B.E. 429
Corrigan, D.S. 265

D'Agostino, R. 119
Davidson, M.R. 471
Dean, M.H. 135
Decker, F. 29, 481
Degani, Y. 167
Delahay, P. 153
Di Quarto, F. 119
Drstak, H. 417
Dzhavakhidze, P.G. 329
Dziedzic, A. 153

Funtikov, A.M. 197
Furtak, T.E. 229

Gomes, W.P. 77
Grzegorzewski, A. 455

Hadjadj, A. 251
Hamelin, A. 429
Haupt, S. 365
Heller, A. 167
Heusler, K.E. 455
Hincelin, G. 251
Hoflund, G.B. 471

Janietz, P. 89

Kazarinov, V.E. 197
Khanova, L.A. 109
Kolotyrkin, Ya.M. 301
Kornyshev, A.A. 329
Kötz, E.R. 407
Krishtalik, L.I. 329
Krotova, M.D. 19

Laitinen, H.A. 471
Landsberg, R. 89
Lauermann, I. 45
Lazarenko-Manevich, R.M. 301
Lingier, S. 77

McIntyre, R. 293
Maly-Schreiber, M. 417
Meissner, D. 45
Memming, R. 45

Nakato, Y. 97
Neuenschwander, R.T. 481
Niinistö, L. 471
Nishiura, S. 97
Nozik, A.J. 55

O'Grady, W.E. 393

Peat, R. 351
Penna, A.F.S. 481
Peter, L.M. 351
Peterson, M.W. 55
Pettinger, B. 219
Piazza, S. 119
Pleskov, Yu.V. 19
Plieth, W.J. 283
Pollak, F. 393
Porter, J.D. 167

Rajh, T. 55
Rieger, H.J. 283
Roe, D.K. 293
Roy, D. 229

Sakharova, A.Ya. 19
Sass, J.K. 293
Sheng, T.T. 167
Sigalaev, S.K. 197
Sokolova, L.A. 301
Spitler, M.T. 69
Spitsyn, B.V. 19
Stimming, U. 135
Stoicoviciu, L. 429
Storck, W. 293
Strehblow, H.-H. 365
Stucki, S. 407
Studna, A.A. 167
Sunseri, C. 119

Tadjeddine, A. 251
Tarasevich, M.R. 109
Tiedemann, U. 219
Trasatti, S. 393
Tsubomura, H. 97
Turner, J.A. 55

Ueda, T. 97
Urbakh, M.I. 179

Vanmaekelbergh, D. 77

Weaver, M.J. 265
Weil, K.G. 347
Wiese, H. 347
Willig, F. 29

Yano, H. 97

JOURNAL OF ELECTROANALYTICAL CHEMISTRY AND INTERFACIAL ELECTROCHEMISTRY, VOLUME 228 (1987)

SUBJECT INDEX

Activation energy,
——— of electrode reactions: The non-local effects (Dzhavakhidze et al.) 329
Alumina,
impedance studies of the cell Ag/Ag beta″ ———/Ag (Breiter et al.) 417
Amorphous semiconductor–electrolyte junction,
———. Influence of the wavelength and oxide thickness on the photocharacteristics of a-Nb_2O_5 anodic films (Di Quarto et al.) 119

Cadmium sulphide,
problem of light-induced oxygen production at catalyst-loaded ——— suspensions (Lauermann et al.) 45
Size quantization in small colloidal ——— particles studied with stopped flow spectrometry (Rajh et al.) 55
Charge injection,
one dimensional Onsager model for dye sensitized ——— into semiconductors (Spitler) 69
Charge transfer reaction inverse photoemission spectroscopy,
——— (CTRIPS). Part II. Electrode specificity (McIntyre et al.) 293
Chloride,
aspects of the adsorption of ——— on silver revealed through surface enhanced Raman scattering (Roy, Furtak) 229
Chlorine,
mechanism of ——— evolution on oxide anodes. Study of pH effects (Consonni et al.) 393
Chlorophyll,
photoresponse of native photosynthetic systems and ———-containing films on metal electrodes (Tarasevich, Khanova) 109
Chromium,
formation of the passive layer on ——— in 0.5 *M* H_2SO_4. A combined electrochemical and surface analytical study (Haupt, Strehblow) 365
Chromium(III) ammines,
laser-induced electron ejection at metal surfaces. Evidence for photoelectroreduction of cobalt(III) and ——— by direct heterogeneous electron transfer (Corrigan, Weaver) 265
Cobalt(III) ammines,
laser-induced electron ejection at metal surfaces. Evidence for photoelectroreduction of ——— and chromium(III) ammines by direct heterogeneous electron transfer (Corrigan, Weaver) 265

Diamond,
photoelectrochemical properties of semiconductor ——— (Pleskov et al.) 19
Dipole–solvent interaction,
transition ——— in optical electron transfer (Delahay, Dziedzic) 153
Dye sensitized charge injection,
one dimensional Onsager model with ——— into semiconductors (Spitler) 69

Electron ejection,
laser-induced ——— at metal surfaces. Evidence for photoelectroreduction of cobalt(III) and chromium(III) ammines by direct heterogeneous electron transfer (Corrigan, Weaver) 265
Electronic states,
capacity of semiconductor electrodes with multiple bulk ———. Part I. Model and calculations for discrete states (Dean, Stimming) 135

Fast recombination losses,
picosecond time-resolved measurements of

——— in the photoresponse of semiconductor/liquid junction cells (Bitterling et al.) 29

Gallium arsenide,
on surface conductance measurements at the ———/electrolyte interface (Brudel et al.) 89
On the role of chemical steps in the anodic dissolution of illuminated n-type ——— electrodes (Lingier et al.) 77

Gold,
elementary steps of electrochemical oxidation of single-crystal planes of ———. Part II. A chemical and structural basis of oxidation of the (111) plane (Angerstein-Kozlowska et al.) 429
Photoelectron emission from poly- and single-crystalline platinum and ——— electrodes using pulsed ultraviolet laser irradiation (Plieth et al.) 283

Heterogeneous electron transfer,
laser-induced electron ejection at metal surfaces. Evidence for photoelectroreduction of cobalt(III) and chromium(III) ammines by direct ——— (Corrigan, Weaver) 265

Hexahydroxyplatinate(IV),
electrochemisorption of ——— on thin titania films (Davidson et al.) 471

Hydrogen,
——— photoevolution at p-type silicon electrodes coated with discontinuous metal layers (Nakato et al.) 97

Intensity modulated photocurrent spectroscopy,
study of the passive film on iron by ——— (Peat, Peter) 351

Iron,
spectroscopic studies of water adsorption on ——— group metals (Kolotyrkin et al.) 301
Study of the passive film on ——— by intensity modulated photocurrent spectroscopy (Peat, Peter) 351

Laser,
———-induced electron ejection at metal surfaces. Evidence for photoelectroreduction of cobalt(III) and chromium(III) ammines by direct heterogeneous electron transfer (Corrigan, Weaver) 265
Photoelectron emission from poly- and single-crystalline platinum and gold electrodes using pulsed ultraviolet ——— irradiation (Plieth et al.) 283

Lead dioxide,
ozone and oxygen evolution on ——— electrodes in acid solution (Kötz, Stucki) 407

Liquid junction,
picosecond time-resolved measurements of fast recombination losses in the photoresponse of semiconductor/——— cells (Bitterling et al.) 29

Local modes,
on the role of ——— in the optics of the metal/electrolyte interface (Brodsky, Urbakh) 179

Manganese dioxide,
kinetic investigation of the ——— electrode with a rotating quartz frequency balance (Grzegorzewski, Heusler) 455

Metal/electrolyte interface,
on the role of local modes in the optics of the ——— (Brodsky, Urbakh) 179

Mirage effect,
——— in electrochemistry (Decker et al.) 481

Mixed electrodes,
separation of partial processes at ——— (Wiese, Weil) 347

a-Niobium oxide,
amorphous semiconductor–electrolyte junction. Influence of the wavelength and oxide thickness on the photocharacteristics of ——— anodic films (Di Quarto et al.) 119

Non-local effects,
activation energy of electrode reactions: the ——— (Dzhavakhidze et al.) 329

Onsager model,
one dimensional ——— for dye sensitized charge injection into semiconductors (Spitler) 69

Optical electron transfer,
transition dipole–solvent interaction in ——— (Delahay, Dziedzic) 153

Oxide,
mechanism of chlorine evolution on ——— anodes. Study of pH effects (Consonni et al.) 393

Oxygen,
ozone and ——— evolution on PbO_2 electrodes in acid solution (Kötz, Stucki) 407
Problem of light-induced ——— production

at catalyst-loaded CdS suspensions (Lauermann et al.) 45
Ozone,
——— and oxygen evolution on PbO_2 electrodes in acid solution (Kötz, Stucki) 407

Palladium,
"transparent" metals: preparation and characterization of light-transmitting ———, rhodium, and rhenium films (Degani et al.) 167
Partial processes,
separation of ——— at mixed electrodes (Wiese, Weil) 347
Passive film,
study of the ——— on iron by intensity modulated photocurrent spectroscopy (Peat, Peter) 351
Passive layer,
formation of the ——— on Cr in 0.5 *M* H_2SO_4. A combined electrochemical and surface analytical study (Haupt, Strehblow) 365
Photoemission currents,
surface enhanced Raman scattering and local ——— on the freshly prepared surface of a silver electrode (Funtikov et al.) 197
Photosynthetic systems,
photoresponse of native ——— and chlorophyll-containing films on metal electrodes (Tarasevich, Khanova) 109
Platinum,
photoelectron emission from poly- and single-crystalline ——— and gold electrodes using pulsed ultraviolet laser irradiation (Plieth et al.) 283
Study of the ———/electrolyte interface using surface plasmon excitation at stratified electrodes. Part I. Preparation and characterization of the electrodes (Hadjadj et al.) 251
Surface Raman spectroscopy at ——— electrodes (Pettinger, Tiedemann) 219

Rhenium,
"transparent" metals: preparation and characterization of light-transmitting palladium, rhodium, and ——— films (Degani et al.) 167
Rhodium,
"transparent" metals: preparation and characterization of light-transmitting palladium, ———, and rhenium films (Degani et al.) 167

Semiconductor,
amorphous ———–electrolyte junction. Influence of the wavelength and oxide thickness on the photocharacteristics of a-Nb_2O_5 anodic films (Di Quarto et al.) 119
Capacity of ——— electrodes with multiple bulk electronic states. Part I. Model and calculations for discrete states (Dean, Stimming) 135
One dimensional Onsager model for dye sensitized charge injection into ——— (Spitler) 69
Photoelectrochemical properties of ——— diamond (Pleskov et al.) 19
Picosecond time-resolved measurements of fast recombination losses in the photoresponse of ———/liquid junction cells (Bitterling et al.) 29
Silicon,
hydrogen photoevolution at p-type ———. electrodes coated with discontinuous metal layers (Nakato et al.) 97
Silver,
aspects of the adsorption of chloride on ——— revealed through surface enhanced Raman scattering (Roy, Furtak) 229
Impedance studies of the cell ———/Ag beta″ alumina/Ag (Breiter et al.) 417
Surface enhanced Raman scattering and local photoemission currents on the freshly prepared surface of a ——— electrode (Funtikov et al.) 197
Size quantization,
——— in small colloidal CdS particles studied with stopped flow spectrometry (Rajh et al.) 55
Stopped flow spectrometry,
size quantization in small colloidal CdS particles studied with ——— (Rajh et al.) 55
Stratified electrodes,
study of the platinum/electrolyte interface using surface plasmon excitation at ———. Part I. Preparation and characterization of the electrodes (Hadjadj et al.) 251
Sulphuric acid,
formation of the passive layer on Cr in 0.5 *M* ———. A combined electrochemical and surface analytical study (Haupt, Strehblow) 365
Surface conductance,
on ——— measurements at the GaAs/electrolyte interface (Brudel et al.) 89
Surface enhanced Raman scattering,

——— and local photoemission currents on the freshly prepared surface of a silver electrode (Funtikov et al.) 197
Aspects of the adsorption of chloride on silver revealed through ——— (Roy, Furtak) 229
Surface plasmon excitation,
study of the platinum/electrolyte interface using ——— at stratified electrodes. Part I. Preparation and characterization of the electrodes (Hadjadj et al.) 251
Surface Raman spectroscopy,
——— at Pt electrodes (Pettinger, Tiedemann) 219
Titania,
electrochemisorption of hexahydroxyplatinate(IV) on thin ——— films (Davidson et al.) 471
Transition dipole,
———-solvent interaction in optical electron transfer (Delahay, Dziedzic) 153
"Transparent" metals,
———: preparation and characterization of light-transmitting palladium, rhodium, and rhenium films (Degani et al.) 167

Water,
spectroscopic studies of ——— adsorption on iron group metals (Kolotyrkin et al.) 301